



BRUHAT BENGALURU MAHANAGARA PALIKE

YALAHANKA ZONE

~~KODIGEHALI~~ SUB DIVISION

**NAME OF WORK :CONSTRUCTION OF GYMNESIUM
BUILDING NEAR GOVT. SCHOOL GROUND JAKKUR IN
WARD NO 5. JAKKUR.**

ESTIMATE COST:-28.00 LAKH

BRUHATH BANGALORE MAHA NAGARA PALIKE

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DETAILED ESTIMATE FOR THE WORK OF CONSTRUCTION OF GYMNESIUM BUILDING NEAR GOVT. SCHOOL, GROUND, JAKKUR IN WARD NO 5, JAKKUR BYATARAYANAPURA SUB DIVISION.

ESTIMATED COST 2800000.00

Sl No	Specification	Unit	No	Measurement			Qty	Rate	Amount
				Length	Breadth	Depth			
1	2	3	4	5	6	7	8	9	10

1 KSRB2-1.2 Earthwork in surface excavation ordinary soil for leveling and lowering the ground (other than foundation of buildings, culverts, road drains and trenches for pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.50m excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of and neatly dressed as per specification. Specification NO KBS 2.1(b)/2.3.1 Page No-5 item No 2.1

Cum 1 22.00 $\frac{15.50+8.0}{2}$ 0.15 51.70

Basic Rate 157.00 Net Qty 51.70 169.56 8766.25
Add Weightage 8% 12.56
Total 169.56

2 KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.2.5 No 5/ Item No 2.1

F1 Cum 12 1.95 1.95 1.80 82.13
1 47.35 0.75 0.75 26.63
1 3.14 9.00 3.20 90.43
2 15.00 4.00 0.30 36.00
2 12.00 3.50 0.30 25.20
260.40

Deduction Columns 12 1.95 0.75 0.75 13.16

Basic Rate 283.00 NET QTY 247.24 305.64 75565.78
Add Weightage 8% 22.64
Total 305.64

3 KSRB 2.8 : Providing and filling in foundation with granite/trap broken metal 100mm, and down size, with approved sand including had packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications. Specification. No. KBS, No. 6/ Item No. 2.15

Cu,M 12 1.95 1.90 0.30 13.34

Basic Rate	2114.00	NET QTY	13.34	2283.12	30452.25
Add Weightage 8%	169.12				
Total	2283.12				

KSRB 4-1.3: Providing and Laying in Position plain cement concrete of mix M7.5 with OPC Cement @ 180Kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed machine mixed, concrete laid in layers not exceeding 15 cms thick well compacted, in foundation and plinth including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No KBS 4.1, 4.2 Page No 12 Item No 4.33

Cum					
Columns	12	1.95	1.95	0.15	6.84
All Round Walls	1	47.35	0.75	0.15	5.33
Frens steps	1	2.95	1.05	0.15	0.46
for Flooring Hall	1	$\frac{6.95+5.75}{2}$	$\frac{9.70+6.35}{2}$	0.1	5.09
Store	1	3.00	2.10	0.10	0.63
Stair Case	1.00	3.00	1.55	0.10	0.47
Toilet	1.00	3.00	1.90	0.10	0.57
Flagging Concrete alround Building	1.00	8.20	0.90	0.10	0.74
	1.00	4.95	0.90	0.10	0.45
	1.00	11.00	0.90	0.10	0.99
	1.00	12.50	0.90	0.10	1.13
	2	15.00	4.00	0.15	18.00
					40.69
Deduction of Columes	12.00	1.95	0.75	0.15	2.63
	1	35.00	0.85	0.60	38.06
Basic Rate	4867.00	NET QTY	38.06	5256.36	200041.29
Add Weightage 8%	389.36				
Total	5256.36				

KSRB 5.2-2 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with mud mortar 1:6, stone hammerd dressed in 5 courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 25/ Item No. 5.5

Cum					
Alla Round Columns	1	47.98	0.80	0.45	17.27
					17.27
Deduction Columns	12	0.45	0.2	0.45	0.49
Basic Rate	4037.00	NET QTY	12.30	4359.96	53627.51
Add Weightage 8%	322.96				
Total	4359.96				

- 6 KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5-1.13 Page No. 26/ Item No. 5.9

Cum							
Alla Round	1	47.35	0.45	0.4	8.52		
Column					8.52		
Deduction for	12	0.45	0.2	0.4	0.43		
Column							
Basic Rate	5005.00		NET QTY	8.09	5405.40	43735.09	
Add Weightage 8%	400.40						
Total	5405.40						

- 7 Filling Available excavation earth (excluding rock) in sides of Foundations up to plinth in layer by ramming after watering with load up to 50 m and lift up to 1.5 m including cost of all labours complete as per Specification, Specification No KSB 2.9 (P-2.10)PWD SR 2016-17

Basic Rate	127.00	Qty Vide Item No 2	118.21	137.16	16213.68		
Add Weightage 8%	10.16						
Total	137.16						

- 8 KSRB 15.1.3 --do-- Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm after raking joints to depth of 20mm nicely lining including cost of materials labour curing complete as per specification (p.no 109/i.no 15.3)

Sqm							
	1	48.23	0.40	19.29			
Basic Rate	98.00		Net Qty	19.29	105.84	2041.87	
AddWeightag 8%	7.84						
Total	105.84						

- 9 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifcations. Specification No. KBS 4.6.2 Item No 4.28

Sqm							
F1	12	1.30	5.70	88.92			
				88.92	249.48	22183.76	
Basic Rate	231.00						
Add Weightage 8%	18.48						
Total	249.48						

- 10 KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Item No 4.7 Page 12

1	35.00	1.50	3.20		
			3.20	5704.56	18254.59

Basic Rate 5282.00
Add Weightage 8% 422.56
Total 5704.56

- 11 KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page no 15 Item No 4.36

Sqm

Allround Wall	2	47.35	0.15	14.21		
Roof side wall	1	9.95	0.15	1.49		
	1	4.95	0.15	0.74		
	1	11.30	0.15	1.70		
	1	8.20	0.15	1.23		
Tie Beam	1	33.60	0.45	15.12		
All Round	1	47.35	0.15	7.10		
Pertition Wall	2*2	6.15	0.15	3.67		
Column Footing	12	8.4	0.75	75.60		
			120.86	732.24	88496.70	

Basic Rate 678.00
Add Weightage 8% 54.24
Total 732.24

- 12 KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page no 15 Item No 4.32

Sqm

	1	6.60	0.90	5.94		
Stair Case	2	3.50	0.90	6.30		
Landing	1.00	1.80	1.40	2.52		
Raiser	22	0.90	0.15	2.97		
			Net Qty	17.73	395.28	7008.31

Basic Rate 366.00
Add Weightage 8% 29.28
Total 395.28

- 13 KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page no 15. Item No 4.34

Sqm

1	11.25	$\frac{8.20 \times 4.95}{2}$	73.96			
			Net Qty	73.96	276.48	20448.46

Basic Rate	256.00
Add Weightage 8%	20.48
Total	276.48

- 14 KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page No 15 Item No 4.37

Sqm

Chejjas W	3	2.30	0.45	3.11		
W1	8	1.80	0.45	6.48		
V	1	1.80	0.45	0.81		
				10.40	291.60	3031.18

Basic Rate	270.00
Add Weightage 8%	21.60
Total	291.60

- 15 KSRB 4.2.8: Providing and Laying in Position reinforced cement concrete of Nominal Mix 1:1:5:3 with 20 mm and down size graded granite metal machine mixed concrete laid in layers not exceeding 15 cms thick vibrated for RCC beams columns of all sizes in foundation plinth and superstructure ground floor level for columns, including cost of all materials labour HOM of Machinery curing. complete as per Specification. Specification No KBS 4.1.4.6 (P.No 13. Item No 4.17.)

Plinth Beam	1	47.35	0.20	0.30	2.84	
Column Footing	12	1.80	1.80	0.75	29.16	
Column	12	0.45	0.20	5.20	5.62	
Lintels	1	47.35	0.20	0.20	1.89	
	1	33.60	0.20	0.45	3.02	
	2	7.00	0.20	0.45	1.26	
	2	5.25	0.20	0.45	0.95	
RCC Roof	1	9.95+11.30	8.20+4.95	0.15	10.47	
Stair Case	2	3.50	0.90	0.125	0.79	
	1	1.80	1.40	0.125	0.32	
	22*0.5	0.90	0.30	0.125	0.37	
	8	6.00	2.00	0.250	24.00	

2	10.00	3.50	0.10	7.00		
2	16.00	4.00	0.10	12.80		
			Net Qty	100.48	6650.64	668272.93

Basic Rate 6158.00

Add Weightage 8% 492.64

Total 6650.64

16 KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 Page No 16 Item No 4.46

Qntl

120 Kg/Cum	130.00	56.68		7368.40		
				7.37	60534.00	446038.73

Basic Rate 56050.00

Add Weightage 8% 4484.00

Total 60534.00

19 KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqmm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No 24 , Item No 5.27

Sqm

Long Wall	1	9.55	3.65	34.86
	1	7.30	3.65	26.65
Short Wall	1	7.00	3.65	25.55
	1	10.90	3.65	39.79
	1	4.55	3.65	16.61
Center Wall	2	3.25	3.65	23.73
Parapet	1	33.6	0.40	13.44
	3	0.45	3.65	4.93
	3	0.2	3.65	2.19
	1	47.35	0.20	9.47
	1	33.6	0.45	15.12
	2	0.2	0.40	0.16
				212.48
Deduction ED	1	2.50	2.40	6.00
D1	2	0.90	2.10	3.78

W	8	1.50	1.20	14.40		
V	1	0.90	0.60	0.54		
Stair Case	1	1.80	2.10	3.78		
	3	2.00	1.20	7.20		
				35.70		
				176.78	1011.96	178891.76
Basic Rate 937.00						
Add Weightage 8% 74.96						
Total 1011.96						

16 KSRB 5-15 : Providing and constructing non-load bearing wall with cement concrete solid blocks with compressive strength not less than 3.5 Newton per sqmm with cement mortar 1:4 (Jamb, closer blocks) with blocks of size 40x10x20cms. (lxbxh) conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No 24 Item No 5.28

Sqm						
Partition Wall	1	3.25	3.60	11.70		
	2	1.20	3.60	8.64		
				20.34		
Deduction D 1	2	0.75	2.10	3.15		
				3.15		
			Net Qty	17.19	773.28	13292.68
Basic Rate 716.00						
Add Weightage 8% 57.28						
Total 773.28						

17 KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No 97 Item No 15.17

Sqm						
Out Side Walls	1	9.95	4.40	43.78		
	1	11.30	4.40	49.72		
Front	1	4.95	4.40	21.78		
Back	1	8.20	4.40	36.08		
				151.36		
Deduction ED	1	2.50	2.40	6.00		
W	8	1.50	1.20	14.40		
V	1	0.90	0.60	0.54		
	3	2.00	1.20	7.20		
				28.14		
				2.00		
				14.07		
				137.29	588.60	80808.89

Basic Rate	545.00
Add Weightage 8%	43.60
Total	588.60

KSRB15-3.12 : Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No 98. Item No 15.20

	Sqm						
Hall	1	10.00	3.60	36.00			
	1	9.55	3.60	34.38			
	1	4.55	3.60	16.38			
	1	7.80	3.60	28.08			
Staircase Room	4	3.45	3.60	49.68			
	2	3.25	3.60	23.40			
Store	1	1.90	3.60	6.84			
	1	2.00	3.60	7.20			
Toilet	1	1.55	3.60	5.58			
Rooms	2	1.50	3.60	10.80			
	1	1.60	3.60	5.76			
	1	1.20	3.60	4.32			
	1	7.00	3.60	25.20			
				253.62			
Deduction ED	1X0.5	2.50	2.40	3.00			
D	2	0.90	2.10	3.78			
D1	2	0.75	2.10	3.15			
W1	0.5x8	1.50	1.20	7.20			
V	0.5x1	0.90	0.60	0.27			
	0.5x3	2.00	1.20	3.60			
			248.04	224.64	55719.71		
Basic Rate	208.00						
Add Weightage 8%	16.64						
Total	224.64						

21 KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page no 98 Item No 15.21

	Sqm			
Hall	1	9.55+10.90	7.80+4.55	63.14
Store	3	0.20	3.45	2.07
Toilet	1	0.20	2.35	0.47
	1	0.20	1.20	0.24
	1	0.20	1.80	0.36

			66.28		
		Net Qty	66.28	208.44	13815.40
Basic Rate	193.00				
Add Weightage 8%	15.44				
Total	208.44				

Providing Line rendering for plastaring to wall and ceiling including cost of
 22 materials labour curing complete as per Specifications Page no 99 Item No
 51.33

	Sqm	Qty Vide Item No 20+21	314.32		
		Net Qty	314.32	18.36	5770.92
Basic Rate	17.00				
Add Weightage 8%	1.36				
Total	18.36				

KSRB15-3.10 : Providing 20mm thick cement plaster in single coat with
 cement mortar 1:3, to stone masonry & concrete surface including rounding
 23 off corners wherever required smooth rendering, : Providing and removing
 scaffolding, including cost of materials, labour, curing complete as per
 specifications. Page no98 Item No 15.18

	Sqm				
	1	<u>10.90+9.55</u>	<u>7.80+4.55</u>		
		2	2		
				63.10	279.72
					17650.33
Basic Rate	259.00				
Add Weightage 8%	20.72				
Total	279.72				

KSRB 14.10-1: Flooring with 25mm to 40mm thick polished tandur blue stone
 slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed
 24 or top of roof laid to line and level and jointed with cement slurry mixed with
 pigment to match the shade of the slab, , including cost of materials, labour,
 curing, polishing complete as per specifications. Specification No. KBS Page
 no 89 Item No 14.15

	Sqm				
Hall	1	<u>7.20+6.00</u>	<u>6.60+4.55</u>	36.79	
		2	2		
Store	1	3.25	2.35	7.64	
Stair case	1	3.25	1.80	5.85	
Hall Skirting	1	7.20	0.20	1.44	
	1	6.00	0.20	1.20	
	1	4.55	0.20	0.91	
	1	6.60	0.20	1.32	
	2	3.25	0.20	1.30	
	2	2.35	0.20	0.94	
				57.39	
				Net Qty	57.39
					1210.68
					69477.90

Basic Rate 1121.00
Add Weightage 8% 89.68
Total 1210.68

KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick Page No 93 Item No 14.36.2

Sqm

Passage	1	3.25	0.95	3.09
Rooms	1	1.90	1.00	1.90
	1	1.50	1.20	1.80

6.79 1270.08 8620.67

Basic Rate 1176.00
Add Weightage 8% 94.08
Total 1270.08

KSRB 14-17.1 : Providing skirting, dado, rises of steps with white glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 Page No 94. Item No 14.41

Sqm

Passage	2	3.25	2.10	13.65
	1	0.95	2.10	2.00
Rooms	2	1.90	2.10	7.98
	2	1.10	2.10	4.62
	2	1.20	4.10	9.84
				38.09
Deduction	2	0.76	2.10	3.19

Net Qty 34.89 1157.76 40397.72

Basic Rate 1072.00
Add Weightage 8% 85.76
Total 1157.76

27 KSRB 7.17 : Providing, fabricating, assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505kg/m, top section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section 49.91x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m; aluminium sections cut to length joint metred cornersgrinded, the shutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots: P.V.C. or rubber gasket with 5.5m. thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherence of mortars or any other sticky materials; the assembled frame fitted with the corner angles, strips and fitted with screws, rawl plugs or teakwood gutties to R.C.C. columns or masonry on sides. beams and flooring in bottom. including cutting, chistling and making good with cement mortar to match the surface; all the frames throughly cleaned free from rust, scale, or dirt including cost of materials, fixtures, labour and HOM of machinerv complete as per specifications. using aluminium section

Qty Vide Item No 1 + 2

Cum

6.00

Net Qty

6.00

6718.68

40312.08

Basic Rate 6221.00

Add Weightage 8% 497.68

Total 6718.68

28 KSRB 9.4-3 : Providing Mathi / Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Page No 45 Item No 9.12

Cu,M

Vertical Side	2	2.5	0.1	0.075	0.04
Horizontal Side	1	1.3	0.075	0.1	0.01

Net Qty

0.05

87255.36

4122.82

Basic Rate 80792.00

Add Weightage 8% 6463.36

Total 87255.36

29 KSRB 9-27.1 : Fixing of door frame in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. Page no 51 Item No 9.80

Nos

1

1.00

1.00

1138.32

1138.32

Basic Rate 1054.00
Add Weightage 8% 84.32
Total 1138.32

30 SOLID PANEL PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm fro styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges. Page No 52

Sq,M

1	0.90	2.10	1.89		
			1.89	3448.44	6517.55

Basic Rate 3193.00
Add Weightage 8% 255.44
Total 3448.44

31 SOLID PANEL PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm fro styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges. Page No 52

Item No 983

Sqm

1	0.9	2.10	1.89		
2	0.75	2.10	3.15		
			5.04	3448.44	17380.14

Basic Rate 3193.00
Add Weightage 6% 255.44
Total 3448.44

32 KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenoned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for

Cum

22.36

Net Qty

22.36

4123.44

92200.12

Basic Rate 3818.00

Add Weightage 8% 305.44

Total 4123.44

33 KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 Page no 31 Item No 7.9

Qty Vide Item No 1 + 2

Cum

427.14

Net Qty

427.14

84.24

35982.27

Basic Rate 78.00

Add Weightage 8% 6.24

Total 84.24

34 KSRB 7.5 : Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.8 m. Specification No. KBS 7.10 / 7.12 Page no 30 Item no 7.5

Qty Vide Item No 1 + 2

Cum

5.06

Net Qty

5.06

3090.96

15640.26

Basic Rate 2862.00

Add Weightage 8% 228.96

Total 3090.96

- 35 KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer Page no 102 Item No 15.53.2

Qty Vide Item No 1 + 2	Cum	137.29		
		Net Qty	137.29	90.72
Basic Rate	84.00			12454.95
Add Weightage 8%	6.72			
Total	90.72			

- 36 KSRB 15-15.3 : Providing and applying painting in one coat with plastic emulsion paint of approved brand and manufacture on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. Page no 101 Item No 15.51.2

Qty Vide Item No 1 + 2	Cum	296.98		
		Net Qty	296.98	97.20
Basic Rate	90.00			28866.46
Add Weightage 8%	7.20			
Total	97.20			

- 37 KSRB 15-17.6 : Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Page no 103 Item No 15.58 and 15.60.1

Qty Vide Item No 1 + 2	Cum	4.91		
		Net Qty	4.91	90.72
Basic Rate	84.00			445.44
Add Weightage 8%	6.72			
Total	90.72			

- 38 KSRB 5.1-2 : Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:8 (uncoursed), bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.12 Page no 22 Item no 5.2

Qty Vide Item No 1 + 2	Cum	11.02		
		Net Qty	11.02	3317.76
Basic Rate	3072.00			36561.72
Add Weightage 8%	245.76			
Total	3317.76			

39 Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. - 10 cms thick Page no 24 Item No 5.31.3

Qty Vide Item No 1 + 2	Cum	4.32		
		Net Qty	4.32	841.32 3634.50
Basic Rate	779.00			
Add Weightage 8%	62.32			
Total	841.32			

40 KSRB 8.6-5 : Providing and fixing on wall surface 2.5 kg / sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications. Page no 42 Item No 8.16

Qty Vide Item No 1 + 2	Cum	36.00		
		Net Qty	36.00	429.84 15474.24
Basic Rate	398.00			
Add Weightage 8%	31.84			
Total	429.84			

2499355.23

41 KRIDL CHARGES 11% 274929.08

42 1 % QUALITY CHARGES 24993.55

43 Miscellaneous & Unforeseen Charges Ls

Total	2,799,277.86
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CERTIFICATE

1. I personally inspected the spot and prepared the estimate
2. The estimate is prepared based on PWD/ PRED SR 2016-17 Bangalore Circle
3. The above area comes under BBMP, Bommanahalli Zone.

Assistant Engineer

Assistant Executive Engineer

Executive Engineer

Administrative Approval

Accorded For 37.99 lacs
Head of A/C P 32-57
CER NO A/C 359/12-18 Dt. 13.3.18

TA

CE (YNK)

Technical Sanction
Accorded For 27.99 lacs
Head of A/C P 32-57
CER NO A/C 359/12-18 Dt. 13.3.18

TA CE (YNK)